

ABSTRACT

A current control apparatus for fluorescent lamps adopted for use on high voltage actuated a fluorescent lamp includes a high frequency pulse modulator to provide voltage distribution signals, a power switch which is a MOSFET to output actuation signals, a conversion unit to receive the voltage distribution signals and perform voltage transformation, a piezoelectric transformer to receive the transformed voltage and perform voltage transformer, and the fluorescent lamp connecting to the piezoelectric transformer. The high frequency pulse modulator obtains a feedback current from the output ends of the fluorescent lamps through the signal processor to redistribute current and maintain evenness of the current in the fluorescent lamp.